

LIMA LOCOMOTIVE WORKS INCORPORATED

LIMA, OHIO, U. S. A.

GEARED LOCOMOTIVE

Class 50-2 TRUCK

Dept. DRAWING ROOM

CONSTRUCTION ORDER No.	SHOP NUMBERS	DATE
397	3231	7-3-'23

397
3231

16
397
08
3231
125

397
50-2
3231

397
(3231)
50-2 Truck

ADDITIONS AND CHANGES

392

ADDITIONS

ADDITIONS

CHANGES

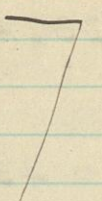
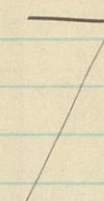
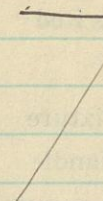
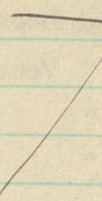
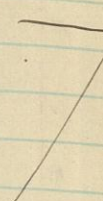
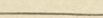
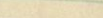
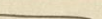
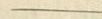
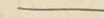
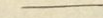
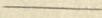
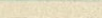
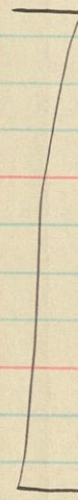
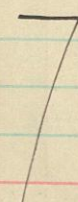
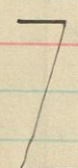
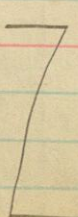
DATE	Page	ITEMS	Check	DATE	Page	ITEMS	Check	DATE	Page	ITEMS	Check
7-17-23	18	50-41	m					7-6-23	13	19	20
7-23-23	14	58	m					7-16-23	21	20	20
8-1-23	7	28	m					7-17-23	18	47	m
8-2-23	14	26-28-29	m					7-20-23	10	50	20
8-9-23	10	1	m					7-20-23	26	54 TO 57	20
8-16-23	2	56	m					7-23-23	14	56	m
8-25-23	3	28	m					" " "	4	31-32-33-34	m
9-17-23	25	29						7-24-23	26	45-46	5
								8-2-23	27	5, 6, 7,	m
								8-29-23	12	19	m
								" " "	12	13-15	m

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 10—ASH PAN								
m	1	ASH PAN	1	11956	LINE 5 PLATE	—	—	—	—	—
m	2	" Pan Material Bill	1 SET	10 M.O. 5000-A		—	—	—	—	—
	3	" " Hopper	Z							
	4	" " Slide								
	5	" " Door Frame								
	6	" " Slide Frame								
	7	" " Door Links								
	8	" " Damper Rigging								
m	9	" " " Bell Crank	1	11956		119F71	Z	Z	Z	Z
m	10	" " " " " Fulcrum	1	"	BAR STOCK	—	Z	Z	Z	Z
m	11	" " " Hinge	4	5 1/2" x 2" x 7 1/2"	HALF BUTT.	—	Z	Z	Z	Z
	12	" " " " Lug	—							
	13	" " " " Bar	—							
m	14	" " " Lift—Front	1	11956		119F85	Z	Z	Z	Z
m	15	" " " " —Rear	1	"		119F86	Z	Z	Z	Z
m	16	" " " Lug	1	"		119F53	Z	Z	Z	Z
m	17	" " " "	1	"		119F34	Z	Z	Z	Z
m	18	" " " Rod Jaw	1	"		119F31	Z	Z	Z	Z
m	19	" " " " "	1	"		119F67	Z	Z	Z	Z
	20	" " Netting Frames	Z							
	21	" " Slide Rigging								
	22	" " " Rod								
	23	" " " Jaw								
	24	" " Shaft Bearing								
m	25	" " Cleaning Door Hinge	4	4 1/2" x 1 3/4" x 6"	HALF BUTT	—	—	—	—	—
	26	" " Bell Crank Bracket								
	27									
	28									
	29									
	30	GROUP 11—AXLES								
m	31	AXLE	4	112A5020	#164	112A5020	—	—	—	—
	32	"	—							
	33	GROUP 12—BELL								
m	34	BELL	1	122A5016						
m	35	" Frame	1	123A5000			12-4	Z	12-1	Z
m	36	" " Base	1	122A5013			12-152	Z	Z	Z
m	37	" Yoke	1	123A5000			12-5	Z	Z	Z
m	38	" " Nut	1	122A5011			12-6	Z	Z	Z
m	39	" " Pin	1	123A5000				Z	Z	Z
m	40	" Crank	1	122A5010			—	Z	Z	12-7
m	41	" Tongue	1	122A5017			—	Z	Z	12-2
m	42	" " Fulcrum	1	122A5018			12-3	Z	Z	—
	43	" Ringer Bracket	—							
m	44	" Rope Details SCREW EYE	3	TO SUIT ERECT SHOP	PURCHASED.					
m	45	" " Sheave	1	122A5019			12-21	Z	Z	Z
m	46	" " " Chair	1	122A5022			12-20	Z	Z	Z
m	47	" " " Frame	1	122A5020			12-18	Z	Z	Z
m	48	" " Thimble	1	122A5021			12-19	Z	Z	Z
	49	" " " Washer								
	50	" Ringer								
	51									
	52	GROUP 13—BOILER								
m	53	Boiler Plan	1	138M5001		—	—	—	—	—
	54	" Sections	—							
m	55	" Material Bill	1 SET	M.O. 2712		—	—	—	—	—
m	56	" Bracing List	1	" 138M5001		—	—	—	—	—
	57									
	58									
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS				
				Card No.	Construction Notes		Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 14—BOILER DETAILS									
m	1	Boiler Brace Rod Ends	22	11754 SET 12		117-F-201	—	—	—	—	
m	2	" " " "	4	310D165		310-S-104	—	—	—	—	
	3	" " " "	7								
	4	" " " "									
	5	" " " "									
m	6	" " " Lugs	4	310D265		310S29	—	—	—	—	
	7	" " " "	7								
	8	" " " "									
	9	" " " "									
m	10	" " " Jaws	22	310D148		310S64	—	—	—	—	
m	11	" " " "	4	310D265		310S186	—	—	—	—	
	12	" " " "	7								
	13	" " " "									
	14	" " " "									
	15	" " " "									
	16	" Sling Stay									
	17	" " " "									
m	18	" Throat Brace	6	142A139		142A139	—	—	—	—	
	19	" " " "	7								
	20	" Crown Bars									
	21	" " Roof Irons									
m	22	" Stay Bolt	263	4535 LINE 1		7	7	7	7	7	
m	23	" " " "	391	" " 2							
m	24	" Radial Stay	120	11721 LINE 2							
m	25	" " " "	68	11745							
m	26	" " " "	16	TATE							
m	27	" ~~Crown Stay~~ SLEEVES	16	" STYLE H	PURCHASED						
m	28	" ~~Too Bar~~ CAPS	16	" " D							
m	29	" TEE BARS	2	22" LONG							
m	30	" " " "	2	19 1/2 "							6"x1"x5 1/4"x1 1/4"
m	31	" " " "	2	10" "							
m	32	" " " "	1	32" "							
	33	" " " "									
m	34	" Mud Ring	1	143B5002		—	—	14-111	—	—	
	35	" Tube Sheet Ring	—								
	36	" " " Studs	—								
m	37	" Smoke Box Ring	1	138M5001		14A5000	—	—	—	—	
	38	" " " "	—								
m	39	" Tube (small)	151	2"-O.D. 109" THICK 9'-1" LONG.		—	—	—	—	—	
	40	" Flue (large)	—								
	41	" Combustion Tubes	—								
m	42	" Tube Setting	1 SET	116326 STYLE 4		—	—	—	—	—	
	43	" Flue "	—								
m	44	" Test Plate	1	420D449		—	—	—	—	—	
	45										
	46	GROUP 15—BOLTS AND NUTS									
	47										
	48	GROUP 18—BRACKETS									
m	49	Air Gauge Bracket	1	182B5073		—	18-27	—	—	—	
	50	Steam Gauge Bracket	—								
m	51	Bottom Bracket	1	A-15522 LINE 2		7	—	18-3	7	7	
m	52	" " Caps	4	182A5029							
m	53	" " Bearing—Top	4	18265036							
m	54	" " " —Bottom	4	182B5041							
m	55	" " " Wedge	4	182A5015							
m	56	" " " Wedge Screw	4	182A5022							
m	57	" " " " Nut	4	"	182A5022						
m	58	" " " " Cap	4	182B5075	BAR STOCK						
m	59	Steam Bracket	1	A-15691 LINE 3	182B5075						
	60	" " —Back	—								
m	61	" " Brace	1	182A5079	182A5079	—	—	—	—	—	

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes		Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 20—BRAKE EQUIPMENT								
✓	1	BRAKE CYLINDER	1	13543 LINE 5		—	20-13	—	—	—
	2	" "	—							
✓	3	" " Head	2	202A5097		—	20-11	—	—	—
	4	" " "	—							
✓	5	" " Stuff. Box Gland	2	202A5091		—	20-12	—	—	—
	6	" " " " "	—							
✓	7	" Piston	2	202A5053		—	20-14	—	—	—
	8	" "	—							
✓	9	" " Rings, Mat'l For	4	653C5002	Pot Pattern	—	65-15	—	—	—
✓	10	" " " " "	2	3176 LINE 3	" "	—	65-106	—	—	—
	11	" " " " "	—		" "					
	12	" " " " "	—		" "					
✓	13	" " Rod—Front	1	13502 SET 3	4 1/8"	135F59				
	14	" " " —Rear	1	" "	4 5/8"	135F57				
✓	15	" " "	1	202B5169		202B5169				
✓	16	" " " Jaw	1	" "		"				
✓	17	" Hollow Piston Rod	2	20" X 1 9/16" DIA.	TURN FROM 1 1/2" PIPE					
	18	" " " "	—							
	19	" Strut	—							
	20	" "	—							
	21	" Reservoir Blocks	—							
✓	22	" " Support	2	202D5026		—		20-109-A	—	—
✓	23	" Aux " " 4 BLOCKS	2	TO SUIT ERECT. SHOP BLOCKS MADE OF WOOD.	TO SUIT ERECT. SHOP.					
	24	" " " "	—							
✓	25	" " " Strap	2	202D5026		134F782				
✓	26	" Pump Bracket	1	202A5085		—		20-637	—	—
	27	" " "	—							
✓	28	" Cyl. Lever Fulcrum	2	13449		—	20-197	—	—	—
✓	29	" Equipment	1 SET	20M.O. 5013-C		—				
✓	30	" Valve	1	203A5010	#5	—				
✓	31	" " Base	1	202A5138		—	20-38	—	—	—
✓	32	" " Cap	1	202A5137		—	20-39	—	—	—
✓	33	" " Slide Valve	1	202A5133		—	20-40	—	—	—
✓	34	" " Stem	1	202A5136	BAR STOCK	—				
✓	35	" " Handle	1	202A5139		—				
✓	36	" " " Latch	1	202A5134	BAR STOCK	—				20-44
✓	37	" " Stuffing Box	1	202A5132	STICK BRASS	—				
✓	38	" " " " Nut	1	" "	" "	—				
✓	39	" " " " Follower	1	" "	" "	—				
✓	40	" " Bracket	1	TO SUIT ERECT. SHOP		TO SUIT ERECT. SHOP				
✓	41	" " " Brace	—	" " " "		" " " "				
✓	42	" Distributing Valve Bracket	2	487D5028		134F862				
✓	43	" Relief Valve	3	202A5140		—			20-71	—
✓	44	" " " —Top	3	" "	STICK BRASS	—				
✓	45	" " " —Base	3	" "		—			20-73	—
	46	" —Frame Body	—							
✓	47	" Lever—Frame	2	487D5028		134F960				
✓	48	" " "	2	" "		134F42				
✓	49	" " " 12101-	2	" "		134F946				
	50	" " " "	—	" "		~~XXXXXX~~				
	51	" " " "	—							
	52	" " " "	—							
✓	53	" " Fulcrum—Frame	2	13442 SET 2	PLATE	P.N. SIZES 3/4 X 4 X 5				
✓	54	" " " " PIN "	2	" "	FURNISH NUT	1 1/8 X 2 1/8				
	55	" " " " "	—							
✓	56	" " Guides "	2	487D5028		134F34				
✓	57	" " " " "	2	487D5028		134F866				
✓	58	" " " " "	1	" "		20K5010				
✓	59	" " " " "	1	" "		20E5092				
✓	60	" " " " "	1	" "		134F1098				
✓	61	" " " " "	1	" "		134F1097				

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 20—BRAKE (Cont.)								
	1	Brake Cylinder Bracket—Frame	1	487D5028		134F940				
	2	" " " "	2	"		134F942				
	3	" ~~Rods~~ " "	1	"		134F955				
	4	" ~~Rods~~ " "	2	"		134F266				
	5	" " " "	1	"	LENGTH TO SUITE S.	134F318				
	6	" " " "	1	"	" " " " "	134F319				
	7	" " " "	4	"		2x22x12 1/2				
	8	" " " "								
	9	" " " "								
	10	" Beam— Truck	4	A-9810 LINE 1						
	11	" " Fulcrum "	4	9801 SET 8						
	12	" " Safety Chain "	8			N 5059 20 H 5033		20-87		
	13	" " Loop "								
	14	" Hanger "	8			20 C 5027 20 E 5027				
	15	" " Lug "	8	202A5105						
	16	" Heads "	8	203A5009				20-6		
	17	" Shoes "	8	202A5104	PAT. 20-8 PURCHASED			20-22		
	18	" Lever "	2	9809 SET 6		98F71				
	19	" " " "	2	"		98F107				
	20	" " " "	2	"		98F108				
	21	" ~~ROD PINS~~ "	4	202C5016		202C5016				
	22	" " " "	14	202M5016		202M5016				
	23	" " " "								
	24	" Rod " "	2	9808 SET 9		98F81				
	25	" " " "	2	"		98F165				
	26	" " " "	2	"		98F170				
	27	" " " "	2	"		98F175				
	28	Truck Bolster Lever Fulcrum	2	3717 LINE 1						
	29	" " Stop Lug						20-196		
	30	GROUP 21—BUMPERS								
	31	End Timber Arrangement—Front	1	213A5008	WOOD					
	32	" " " —Rear	1	213A5008						
	33	" " Channels—Front	1	213A5008	12"-40# CHANNEL					
	34	" " " —Rear	1	213A5008	102" LONG					
	35	" " Drawhead Blocks	2	20"x11"x4	WOOD					
	36	Push Pole Pocket	4	212A5002						
	37						21-7			
	38									
	39	GROUP 22—CAB								
	40	Cab	1	223A5026						
	41	" Material Bill								
	42									
	43									
	44	GROUP 23—CAB DETAILS								
	45	Cab Arm Rest	2	11165 LINE 5						
	46	" Joint Plate	4	TO SUIT MILL	PLATE					
	47	" Strap	6							
	48	" Saddle Angle	1	A-11157 SET 7		111 F 46				
	49	" " Plate	1	"	PLATE	111 F 27				
	50	" Sash Fixture								
	51	" Storm Window	1							
	52	" " " "								
	53	" " " Adjusting Bar	1							
	54	" " " " Plate								
	55	" Awning								
	56	" Curtain								
	57	" " Rod								
	58	" Door Fixture								
	59	" " " Clamp	2	232A5019						
	60	" " " " Screw	2	232A5018						23-3
	61	" " " " Slide Bar	2	232A5023		4x3x28"				23-2

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes		Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 26—COCKS & VALVES (Cont.)								
M	1	Drip Valve Brake Exhaust Drain	1	$\frac{1}{2}$ " GLOBE #1807	CRANE					
M	2	" " Check Pipe "	2	$\frac{1}{2}$ " " "	"					
M	3	" " Exhaust "	1	$\frac{1}{2}$ " " "	"					
M	4	" " Steam Chest "	1	$\frac{1}{2}$ " " "	"					
M	5	" " Water Gauge "	1	$\frac{1}{4}$ " AIR COCK						
	6									
	7	Drip Cock—Brake Exhaust Drain	—							
M	8	" " — " " —Air	1	$\frac{1}{4}$ " AIR COCK						
	9	" " —Check Pipe Drain	—							
M	10	" " —Fuel Sprinkler Drain	1	$\frac{1}{4}$ " AIR COCK						
M	11	" " —Siphon Drain	1	$\frac{3}{8}$ " " "						
	12	" " —Oil Heater Drain	—							
M	13	Generator Valve	1	$\frac{3}{4}$ " CRANE #1811						
	14	" " Cap								
	15	" " Stem								
	16	" " Gland								
	17	" " Nut								
	18									
	19	Feed Cock								
	20	Heater Valve								
	21									
	22	Lubricator Valve								
	23	" " Extension								
	24	Oil Burner Valves								
	25	" Heater "								
	26	" Tank Blow-Back Valve								
	27	" " Heater Valve								
	28	Oil Cock								
	29	" " Cap								
	30	" " Plug								
	31	" " Spring								
	32	" " Washer								
	33									
	34	Plug Cock—Injector Check								
	35	" " Cap								
	36	" " Plug								
	37	" " Nut								
	38	" " Washer								
	39									
	40	Port Cock								
	41									
M	42	Siphon Valve	1	$1\frac{1}{2}$ " ANGLE—MALE INLET #1811	CRANE					
	43									
M	44	Sprinkler Valve	1	$\frac{1}{2}$ " GLOBE #1807	CRANE					
	45	" " Cap								
	46	" " Stem								
	47	" " Gland								
	48	" " Nut								
	49									
	50									
M	51	Steam Gauge Cock	1	$\frac{1}{4}$ " COCK LEVER HANDLE & $\frac{3}{8}$ " C.P. UNION						
	52									
M	53	Steam Gauge Cock Extension	1	11464 STYLE 1 STICK BRASS						
	54									
	55	Tire Sprinkler Valve								
	56									
	57	Through Valve								
	58	" " Cap								
	59	" " Stem								
	60	" " Gland								
	61	" " Nut								

[illegible]

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes		Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 37—DRAWGEAR (Cont.)								
m	1	Drawhead	2	373A5012	12759R 2-25-27		FIX	37-1		
m	2	Draw Gear Brace	1	372A5040	(1) 110F365		Z	Z	Z	Z
m	3	" " "	1	"	(1) 110F366					
m	4	" " " Foot	2	"				37-73		
m	5	" " " Foot	2	"				37-74		
	6	" " Back								
	7	" " Shims								
	8	" " Pin								
	9	" " Frame—Front								
	10	" " " "								
	11	" " " —Rear								
	12	" " " "								
	13	" " Tie Plate								
	14	" " Friction Plate								
	15	" " Sliding Bar								
	16	" " " "								
	17	" " Connecting Rod								
	18	" " " " Pin								
	19	" " Yoke								
	20	" " " Block								
	21	" " " Followers								
	22	" " " "								
	23	" " " Binder Plate								
	24	" " Carrier Link								
	25	" " " Pin								
	26	" " " Plate								
	27	" Bar Guide								
	28	" " Pin								
	29	" " Carry Iron								
	30	" " " " Bolt Liner								
m	31	" Pin—Front	1			104F35				
m	32	" " —Back	1			104F35				
	33	Shackle Bar								
	34	" " Key								
	35	" " Gibs								
	36	" " Brace								
	37	" " " Pad								
	38	" " " Pin								
	39	" " Pin								
	40	Safety Link								
	41	" " Pins								
	42									
	43	GROUP 39—ECCENTRICS								
m	44	ECCENTRIC—No. 1 Cylinder	1	392A5073			39-45			
m	45	" No. 3 Cylinder	1	"			39-45			
m	46	" No. 2 Cylinder—Top	1	392A5072			39-42			
m	47	" No. 2 Cylinder—Bot.	1	"			39-43			
m	48	" Key	2	"	CHROME VANADIUM					
m	49	" Stud	2	"	MACH. STEEL					
m	50	ECCENTRIC STRAP Top	6	392B5005			39-36			
m	51	" " Bottom	6	"			39-37			
m	52	" " Bolts	12	"						
m	53	" " Liner	12	"						
	54	" " Filler								
	55									
m	56	ECCENTRIC ROD	3	8411 SET 2		84F30	Z	Z	Z	Z
m	57	" "	3	"		84F34				
m	58	" " Pin	6	393D5000						
	59	" " "								
m	60	" " Bolts	12	8509 SET 9						
	61	" " "								

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes		Cast Iron	Cast Steel	Brass	Mal. Iron
m	1	GROUP 42—ERECTING CARDS ERECTING PLAN—Elevation	1	420 E 5001						
	2	GROUP 43—ERECTING CARDS								
m	3	ERECTING PLAN—Sections	1	B-132/3 LINE 2						
	4									
	5	GROUP 44—EXHAUST PIPE & NOZZLES								
m	6	EXHAUST Drop Pipe	1	442 C 5052			44-418-A			
m	7	" " Pipe Flange	1	442 A 5056			44-69			
m	8	" Nozzle	1	442 A 5062			44-68			
m	9	" "	1	442 B 5062			44-113			
m	10	" "	1	442 C 5062			44-114			
	11	" " Tip								
m	12	" Extension	1	442 A 5051			44-70			
	13	" Gland								
m	14	" Reducer	1	442 A 5017			44-531			
m	15	" " Gland	1	442 A 5018			44-533			
m	16	" Pipe Elbow	1	442 A 5016			44-532			
m	17	" " Joint Ring	1	792 K 5029			79-22			
m	18	" "	1	442 C 5015	6" W.I. PIPE					
m	19	" " Nipple	1	"	" "					
	20	GROUP 45—FIREDOOR AND FIREBRICK								
	21	FIRE BRICK								
	22	" " Arch Tube								
	23	" " " " Setting								
	24									
m	25	FIRE DOOR	1	452 A 5004			45-10			
m	26	" " Frame	1	452 A 5001			45-9			
m	27	" " Liner	1	452 A 5002			45-11			
m	28	" " Latch	1	452 A 5005						
m	29	" " " Handle	1	"						
m	30	" " " Guide	1	452 A 5003						
m	31	" " ~~Shield~~ HINGE PIN	1							
	32	" " Damper								
	33	" " " Bearing								
	34	" " " "								
	35	" " " Handle								
	36	" " " Thumb Nuts								
	37	" " Peep Hole Cover								
	38									
	39									
	40									
	41	GROUP 48—FRAME AND DETAILS								
m	42	FRAME	1	487 D 5028						
m	43	" Boiler Saddle	1	482 A 5094	22 1/2" TO		48-48			
m	44	" " "	1	"	23 1/2" RAD.		48-49			
m	45	" " Pad Clamp	4	10748 SET LINE 3						
m	46	" " " "	4	" " 2 " 3						
m	47	" " " "	4	" " 3 " 3						
m	48	" " " "	4	" " 4 " 3						
m	49	" Bolster Fill Blocks	4	3160 LINE 1			48-146			
m	50	" Centre Plate	2	482 A 5111						
m	51	" Side Bearing—Right	2	9671 SET 9			48-153			
m	52	" " " —Left	2	" " 8			48-152			
m	53	" Spreader	1	487 D 5028						
m	54	" Truss Pad	4	12441						
m	55	" " "	4	"						
m	56	" " Head	2 R. 12445 LINE 4 2 L. " " 11							
m	57	" " Post Head	4	12401						
m	58	" " " Socket	4	482 A 5043			48-27			
m	59	" " Rod Washers	8	12441			48-14			
m	60	Main Truss Rod—Right	1	487 D 5028			48-10			
m	61	" " " —Left	1	"						

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes		Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 48—FRAME & DETAILS (Cont.)								
M	1	Truss Rod Ends	4	487D5028		56" x 1 1/2" DIA	Z	Z	Z	Z
M	2	" " "	2	"		78" x 1 1/2" "	Z	Z	Z	Z
M	3	" " "	2	"		66" x 1 1/2" "	Z	Z	Z	Z
M	4	" " "	—							
M	5	" " Columns	2	487D5028		22" x 2" DIA.	Z	Z	Z	Z
M	6	" " "	2	"		19" x 2" "	Z	Z	Z	Z
M	7	" Post Guides	2	11014 SET 1	PLATE					
M	8	" " "	—							
M	9	Frame Brace TO END TIMBER	1	487D5028		110F7				
M	10	" "	1	"		110F8				
M	11	" "	1	"		110FN 514 FOR FUTURE NEW WORK ONLY.				
M	12	" "	1	"		110F111				
M	13	" "	1	"		110F334				
M	14	" "	1	"		110F113				
M	15	Frame Pit Irons	3	"		48H5025				
M	16	" " "	1	"		48N5013				
M	17	" " "	1	"		110F229				
M	18	" " "	—							
M	19	" End Casting	—							
M	20	" " Timber Brace	4	11090 SET 12			48-57			
M	21	" Angle	8	487D5028		1/2" x 6" x 6" x 7 1/2" LONG.	Z	Z	Z	Z
M	22	" "	8	"		1/2" x 3 1/2" x 6" x 7 1/2" "	Z	Z	Z	Z
M	23	" "	8	"		5/8" x 6" x 6" x 9 1/2" "	Z	Z	Z	Z
M	24	" "	2	"		1/2" x 3 1/2" x 3 1/2" x 7 1/2" "	Z	Z	Z	Z
M	25	" "	—							
M	26	" "	—							
M	27	" Smoke Box Brace Pad	2	13007 SET 1			48-15			
M	28	EXPANSION PLATE	1	482A5000	PLATE					
M	29	" " Angle	1	"		482A5000				
M	30	FURNACE BEARER—Front	7							
M	31	" " —Rear	—							
M	32	" " Plate	—							
M	33	" " Fill Blocks	—							
M	34	Boiler Pad—Right	3	482B5004			48-315			
M	35	" " —Left	3	"			48-315			
M	36									
M	37									
M	38	GROUP 49—GAUGES, TEMPLATES & JIGS								
M	39									
M	40									
M	41									
M	42	GROUP 50—GUIDES & ATTACHMENTS								
M	43	Guide	6	502A5000			50-1			
M	44									
M	45									
M	46	GROUP 51—GRATE ARRANGEMENT								
M	47	Grate Arrangement	1	A-11818 LINES						
M	48	GROUP 52—GRATE DETAILS								
M	49									
M	50									
M	51	Grate Bars	7	522A5048			52-16			
M	52	" "	—							
M	53	" "	—							
M	54	" Center Rail	—							
M	55	" Side "	1	A-11819 SET 6			52-133			
M	56	" " "	1	"			52-134			
M	57	" Cover Plate SHAKER PINS	1	DRILL TO SUITE 5. 3/4" PINS. 3" LONG.						
M	58	" " "	1	" " " " 5/8" " 2 1/4" "						
M	59	" Shaker Pins	3	" " " " 5/8" " 2 1/2" "						
M	60	" " "	2	" " " " 5/8" " 3" "						
M	61	" " "	—							

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes		Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 52—GRATE DETAILS (Cont.)								
	1	Grate Dead Plate	—							
	2	" " "	—							
m	3	" Drop "	1	522A5057		—	52-13	Z	Z	Z
m	4	" Dump Shaft	1	11816 SET 10		118-F-77	—	Z	Z	Z
m	5	" " " Bearing	2	522F5093		—	52-122	Z	Z	Z
	6	" " " "	—							
m	7	" " " Links	2	TO SUITEREKT SHOP		118 F 73	—	—	—	—
m	8	" " " Lever	1	15020		118 F 74	—	—	—	—
	9	" " Lever	—							
m	10	" Shaker Shaft Bracket	1	A-11803		—	52-107	—	—	—
m	11	" " " "	1	"		—	52-108	—	—	—
	12	" " Lever	—							
m	13	" " Shaft	1	522 ~~5008~~ ^{ED for future}		522 ~~5008~~ ^{ED}	—	—	—	—
	14	" " " "	—							
m	15	" " " Lever	1	522 ~~5009~~ ^D		52 ~~5012~~ ^A	—	—	—	—
	16	" " " "	—							
m	17	" " " Hand Lever	1	A-11818		118 F 110	—	—	—	—
	18	" " " " "	—							
m	19	" " Lever Connection	1	A-11818 LINE 6 ~~522 5010~~		118-F-135	—	—	—	—
	20	" " " "	—							
m	21	" " Connection Bar	1	A-11870 SET 5		A-11870 SET 5	—	—	—	—
	22	" " " "	—							
	23	GROUP 53—H'NDRAIL & STEPS (En.&Tr)								
	24	HAND RAIL	—							
m	25	" " Bracket	2	10010		Z	53-10	Z	Z	Z
m	26	" " Balls	1	532E5034			53-4	Z	Z	Z
m	27	" " Columns	5	532A5034			53-1	Z	Z	Z
m	28	" " " "	2	532B5034			53-2	Z	Z	Z
m	29	" " " "	2	A-11406			53-8	Z	Z	Z
m	30	" " " "	2	A-11404			53-7	Z	Z	Z
m	31	" " " Blocks	2	532C5034			53-3	Z	Z	Z
	32	" " " "	—							
m	33	" " Flanges	1	532F5034		—	53-5	—	—	—
	34	Cab Handle—Right	—							
m	35	" " —Left	2	B-11141 LINE 5		TO SUITEREKT SHOP	—	—	—	—
m	36	Coal Bunk Handle—Right	2	B-11145 " 1		" " " "	—	—	—	—
	37	" " " —Left	—							
	38	Tank Handle	—							
m	39	End Timber Handle	2	213C5008		103 F 53	—	—	—	—
	40	" " " "	—							
m	41	" " " Bracket	2	213C5008		103 F 122	—	—	—	—
	42	" " " "	—							
	43									
	44									
	45	Bottom Bracket Step	—							
m	46	Cab Step RIGHT	1 SET	B-11143 LINE 1	WOOD TREAD (2)	111-F-6	Z	Z	Z	Z
	47	" " "	—			(2) 111-F-7	Z	Z	Z	Z
m	48	" " LEFT	1 SET	B-11142 LINE 1		(2) 111-F-40	Z	Z	Z	Z
	49	" " "	—			(4) 111-F-7	Z	Z	Z	Z
m	50	" " Brace	2	B-11142 LINE 1		(2) 111-F-240	Z	Z	Z	Z
m	51	" " " "	2	B-11143 " 1		(2) 111-F-241	Z	Z	Z	Z
	52	Cylinder Step	—							
	53	" Hood Step	—							
	54	Generator Step	—							
m	55	End Timber Step—Front	1 SET	213C5008		(4) 103 F 18	—	—	—	—
m	56	" " " —Back	1 "	213D5008		(4) 103 F 18	—	—	—	—
	57	Headlight Step	—							
	58	Pilot Step	—							
	59	" " "	—							
m	60	Sand Box Step	1	D-4141		—	53-14	—	—	—
m	61	" " " Bracket	1	—		122 F 75	—	—	—	—

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes		Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 54—HEADLIGHTS, LAMPS, PLATES, ETC.								
	1	Flag Socket	—							
	2	" "	—							
m	3	Headlight { ~~Oil~~ Electric }	2	16" SUNBEAM CASE WITH TURBO GENERATOR						
m	4	Headlight Bracket	2	5353 SET II	PLATE					
	5	" Columns								
m	6	" Shelf—Front	1	10020	PLATE					
m	7	" " —Rear	1	4x14x24"						
m	8	Generator Bracket	2	10003		100 F 3				
m	9	" Shelf	1	"	4x15x18"					
m	10	Lamp	1	DAYTON ELECTRIC	PURCHASED					
m	11	"	1	"	"					
m	12	" Bracket	1	542 B 5011		542 B 5011				
	13	" "	—							
m	14	Number Plate	1	542 A 5009					54-6	
m	15	" " Stud	1	A-12969						
m	16	Builder's Card	2	542 A 82					54-169	
m	17	Name Plate	2	B-11138			54-4			
m	18	Patent Plate	1	542 A 5006					54-183	
m	19	Property Plate	—	~~542 A 5007~~			54-XXX			
	20	Superheater Patent Plate	—							
m	21	Electrical Equipment	1 SET	54 M.O. 5004						
	22									
	23									
	24	GROUP 55—INJECTORS & FEED, WATER								
m	25	Injectors	2	#7 NATHAN LIFTING LEVER HANDLE MONITOR TYPE "88"						
m	26	" Bracket	2	TO SUIT ERECT. SHOP		TO SUIT ERECT. SHOP				
	27									
	28									
	29									
m	30	Injector Check Valve	2	1 1/2 SWING	PURCHASED					
	31	" " Flange	—							
m	32	" Stop Valve	2	552 D 5010	PURCHASED					
	33	Feed Pipe Strainer	—							
m	34	" " Bracket	2	552 A 5036			55-3			
m	35	" " " Cap	2	"			55-4			
	36	" Pipe Hanger								
	37	" Hose Connection								
	38	" " " Nuts								
	39	" " " "								
	40	" " " Nipples								
	41									
	42									
	43									
	44	GROUP 57—LAGGING & JACKET								
m	45	Lagging (Boiler)	1 SET	57 M.O. 5000-A						
	46	" Panel								
	47	" "								
	48	" "								
	49	" Angle Iron								
	50	" " "								
m	51	Jacket (Boiler)	1 SET	#22-B.W.G. PAINTED STEEL						
	52	" Band								
m	53	" " Angle	4	57 D 5000		57 D 5000				
m	54	" Clamp	36	57 D 46						
m	55	" " EYE BOLTS	6	572 A 5004		572 A 5004				
m	56	Plug Casing	5	572 A 6						57-4
	57	" "	—							
m	58	— Cover PRESSURE PLATE FRAME	1	420 D 476					57-60	
	59	Cylinder Lagging								
	60	" Jacket								
	61	" Hood								

On future class 50-2 with one 9 1/2" Pump make cyl hood in one piece
 extending from cab over pump. Make cutout in cab & cyl hood
 match up. Dat. 6-30-27.

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes		Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 58—LINK MOTION								
✓	1	Link	3	583B5002		—	—	58-1	—	—
	2	" —Top Half	—							
	3	" —Bottom Half	—							
✓	4	" Saddle	3	583B5002		81-F-17	—	—	—	—
✓	5	" " Bolts	6	8511 SET 11		—	—	—	—	—
	6	" " "	—							
✓	7	" Block	3	582A5014		FIN. SIZES 1 1/2 x 2 1/4 x 3"	—	—	—	—
✓	8	" " Pin	3	8512 SET 9		—	—	—	—	—
✓	9	" " Plates	6	582A5014		—	—	—	—	—
	10	" " Ends	—							
✓	11	" Hanger	3	582A5029		582A5029	—	—	—	—
✓	12	" " Pin	3	8513 SET 3		—	—	—	—	—
	13									
	14	GROUP 59—OIL CUPS & LUBRICATION								
✓	15	Lubricator	1	NATHAN S FEED 1918-TYPE						
✓	16	" Bracket	1	TO SUIT ERECT. SHOP		TO SUIT ERECT. SHOP				
	17									
✓	18	Bottom Bracket Oil Cup	4	592A5006		—	59-48	—	—	—
✓	19	" " " " Cap	4	"		—	59-49	—	—	—
	20	" " " " Nut	—							
	21	" " " " Plug	—							
	22	" " " " Cover	—							
	23	" " " " "	—							
	24	" " " " Hinge Lugs	—							
	25	" " " " " "	—							
✓	26	" " Grease Cup	4	592A5007		—	59-50	—	—	—
	27	" " " " Cap	—							
✓	28	" " " " Nut	4	592A5007		—	59-51	—	—	—
✓	29	" " " " Plug	4	"		—	59-52	—	—	—
✓	30	Crosshead ^{GREASE} Cup	3	#1-POWELL-PLAIN STEEL SHANK 1/2" PIPE THD.		—	—	—	—	—
	31	" " " " Cap	—							
	32	" " " " Nut	—							
	33	Ecc. Strap Oil Cup	—							
	34	" " " " Cap	—							
	35	" " " " Nut	—							
	36	Gear Oil Cups	—							
	37	" " " Covers	—							
✓	38	Guide ^{GREASE} Cup	6	#3-POWELL-PLAIN STEEL SHANK 1/2" PIPE THD.		—	—	—	—	—
	39	" " " " Cap	—							
	40	" " " " Nut	—							
	41	Link Oil Cup	—							
	42	" " " " Cap	—							
	43	" " " " Nut	—							
✓	44	Packing Oil Cup	3	592A5005		—	—	—	59-44	—
✓	45	" " " " Cap	3	"		—	—	—	59-45	—
	46	" " " " Nut	—							
	47	Rod Oil Cup	—							
	48	" " " " Cap	—							
✓	49	" " " " Plug	3	592A5025		—	59-355	—	—	—
	50	" " " " Latch	—							
	51	" " " " Spring	—							
	52	" " " " Base	—							
	53	Tumb. Shaft Oil Cup	—							
	54	" " " " Cap	—							
	55	" " " " Nut	—							
✓	56	Truck Box Oil Cup Cover—R. Box	4	7125 SET 1	REAR BOX COVER	—	59-32	—	—	—
	57	" " " " " —L. Box	—							
✓	58	" " " " " Hinge Plate	4	7125 SET 2		—	59-33	—	—	—
	59	Valve Stem Oil Cup	—							
✓	60	Oil Can Shelf	1	592A5004		—	59-120	—	—	—
	61	" " " " Bracket	—							

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes		Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 63—PIPE FITTINGS (Cont.)								
	1	Pipe Clamp	Z							
	2	" "								
	3	" "								
	4									
	5									
	6									
	7									
	8									
	9									
	10									
	11									
	12									
	13									
	14	GROUP 64—PIPING ARRANGEMENTS								
	15	Piping Arr'g. General	Z							
	16	" " Air Brake								
	17	" " Cooling Pipes								
	18	" " Bet. Eng. and Tender								
	19	" " Oil Heater								
	20	" " Sprinkler								
	21	" " Steam Heat								
	22									
	23									
	24									
	25									
	26	GROUP 65—PISTON AND ROD								
m	27	PISTON HEAD	3	652A5135	Pot Pattern	FIN. SIZES 27" x 2 3/4" DIA.	65-99	Z	Z	Z
m	28	" Packing Rings, Material For	6	653F5000			65-6			
m	29	" Rod	3	652A5123						
	30									
	31									
	32									
m	33	PISTON ROD PACKING	9 SET	METALLIC	Pot Pattern					
m	34	Packing Rings	9 "	7719 SET 1						
m	35	" Spring Washer	3	7759 SET 4			65-45	Z	Z	Z
m	36	" Swab Cap	3	652A5091					65-26	
	37	" Follower								
m	38	" Stuffing Box	3	652A5055			65-41	Z	Z	Z
m	39	" " " Gland	3	652A5059			65-42	Z	Z	Z
m	40	" Vibrating Cups	3	652A5082			65-46	Z	Z	Z
m	41	" Spring	3	#13						
	42									
	43									
m	44	PACKING STUDS Piston Rod	12	7758 SET 4						
	45	GROUP 66—PLUGS								
	46	Arch Tube Plug								
m	47	Back Head Plug (Prime)	3	1 7/8"-11 1/2" THD'S. TAPER 3/4" IN 12" PURCHASED.						
	48	Crown Plug								
	49	Ecc. Strap Plug								
m	50	Firebox Plug (Prime)	4	1 7/8"-11 1/2" THD'S. TAPER 3/4" IN 12" PURCHASED						
	51	" "								
m	52	Fusible Plug	1	662A5000					66-113	
	53	Indicator Plug								
	54	Smoke Box Plug								
	55	Tube Sheet Plug								
	56	Test Plug								
m	57	Waist Plug (Prime)	5	1 7/8"-11 1/2" THD'S. TAPER 3/4" IN 12" PURCHASED						
	58	Washout Plug Valve								
	59	" " " Cap								
	60	" " Flange								
	61	" " "								

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes		Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 68—REVERSE LEVER								
m	1	Reverse Lever	1	—		83 F 97	Z	Z	—	Z
m	2	" " Arrangement	1	8375 LINE 6					68-3	
m	3	" " Handle	1	D-1315 LINE 3						
m	4	" " Latch	1	3294 STYLE 1		83 F 49				
m	5	" " " Guide	1	"		FIN. SIZES 1 1/4" x 2" x 3 1/2"				
m	6	" " " Rod	1	8375		83 F 109				
m	7	" " " Details	—							
m	8	" " Quadrant	1	682A5017		83 F 42	Z	Z	Z	Z
m	9	" " " "	1	"		83 F 50	Z	Z	Z	Z
m	10	" " " Plate	1	8310 SET 4 LINE 1						
m	11	" " Foot Rest	—							
m	12	" " Shaft	1	8375 LINE 6		83 F 184	—	—	—	—
m	13	" " " Length	—	15" CTR. TO CTR.			—	—	—	—
	14	" " Arm	—							
	15	" " Fulcrum	—							
	16	" " " Bracket	—							
	17	" " " Pin	—							
m	18	" " Shaft Stand	1	5471 SET 2		83 F 65	Z	Z	Z	Z
m	19	" " Quadrant Bracket	1	487D5028		109 F 18				
m	20	" " " "	1	487D5028		68 D 5004				
m	21	" " " "	—							
	22									
	23									
	24									
	25									
	26	GROUP 69—REVERSE SHAFT								
m	27	TUMBLING SHAFT	1	692D5047	ANGLE A = 1 1/4°	692D5047	—	—	—	—
	28	" " Arm	—							
	29	" " Collar	—							
m	30	" " Box	3	8215 SET 2			69-5			
m	31	" " " Cap	3	"			69-6			
m	32	" " Coupling Ball	2	8316 SET 2			69-2			
m	33	" " " Socket	2	"			69-3			
m	34	" " " Cap	2	"			69-3			
m	35	" " " Sleeve	1	"		FIN. SIZES 1 1/2" Hex. 3 1/2" LONG				
m	36	" " " Conn.	1	"		1 1/2" 8 5/16"				
m	37	" " " "	1	"		1 1/2" 6 3/16"				
m	38	" " " Nut	1	"		1 1/2" 3/4"				
	39									
	40	GROUP 71—RUNNING BOARDS								
m	41	RUNNING BOARD	1 SET	717A5019	WOOD					
m	42	" " BRACKET ON BOILER	1	712D5031		712D5031				
m	43	" " Bracket	7	487D5028		71C5010				
m	44	" " " "	1	"		71 F 5002				
m	45	" " " "	2	"		71 E 5008				
m	46	" " " "	2	"		109 F 250				
m	47	" " " FILL BLOCKS	1	TO SUITERECT SHOP		1/2 x 4 1/2 x 33"				
m	48	" " " Engine	1	A-10960 LINE 4	PLATE					
m	49	" " " "	1	712C5028	"					
m	50	" " " FILL BLOCK	1	TO SUITERECT SHOP		1/2 x 4 1/2 x 30"				
	51	" " " "	—							
	52	" " " "	—							
	53	" " " "	—							
	54	" " " "	—							
	55	" " " Tender	—							
	56	" " " "	—							
	57	" " " "	—							
	58	" " " "	—							
	59	" " " "	—							
	60	" " " "	—							
	61	" " " "	—							

Run. board to be revised for future. See dyl book. DAK 6-30-27.

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 72—RODS								
M	1	Connecting Rods	3	C 723A5003		89F32	Z	Z	—	Z
M	2	“ “ Brass, Xhd End	3	722A5035		Z	Z	Z	72-12	Z
M	3	“ “ “ “ “	3	“		Z	Z	Z	72-12	Z
M	4	“ “ “ Crank “	3	722A5021		Z	Z	Z	72-70	Z
M	5	“ “ “ “ “	3	“		Z	Z	Z	72-70	Z
	6									
M	7	Connecting Rod Strap	3	B 722A5086		722A5086	Z	Z	Z	Z
M	8	“ “ Wedge—Top	3	723A5003		FIN. SIZES 1 3/4 x 2 1/2 x 2 3/4	Z	Z	Z	Z
M	9	“ “ “ —Bottom	3	“		FIN. SIZES 2" x 2 1/2 x 3 3/4	Z	Z	Z	Z
M	10	“ “ Key—Top	3	“		89F35	Z	Z	Z	Z
	11	“ “ “ —Bottom	—							
	12	“ “ Wedge Liner	—							
	13									
	14									
	15									
	16	GROUP 73—SAND BOX								
M	17	Sand Box—Front	1	733A5000						
M	18	“ “ Base	1	12247 LINE 4			73-69	Z	Z	Z
M	19	“ “ Top	1	733A5000	PRESSED STEEL			Z	Z	Z
M	20	“ “ Lid	1	732B5000			73-31	Z	Z	Z
M	21	“ “ Valve	2	732A5022			73-4	Z	Z	Z
M	22	“ “ Lever—Short	1	733A5000			73-20	Z	Z	Z
M	23	“ “ “ —Long	1	“		73A5000	—	Z	Z	Z
M	24	“ “ Rod Handle	1	732A5027			73-6	Z	Z	Z
M	25	“ “ Rigging	2	733A5000		4"x1 1/4"x19 3/4"	—	Z	Z	Z
M	26	“ “ Rod	1	3/8" PIPE TO SUITE 5.		Z	—	Z	Z	Z
M	27	Air Sander	4	732A5002			73-93	Z	Z	Z
M	28	“ “ Nozzle	4	“	STICK BRASS		—	Z	Z	Z
M	29	Sand Box— ~~THE~~ LUGS	4	733A5000		530585	—	Z	Z	Z
	30	“ “ Funnel	—							
	31	“ “ Scoop	—							
M	32	SAND BOX—Back	1	732B5032	PLATE	—	—	—	—	—
	33	Back Sand Box Arrangement	—							
M	34	“ “ “ Base	1	732A5025		Z	73-5	Z	Z	Z
M	35	“ “ “ Top	2	732A5024		Z	73-314	Z	Z	Z
M	36	“ “ “ Covers	2	“		Z	73-12	Z	Z	Z
	37	“ “ “ Valve	—							
	38	“ “ “ Shaft Hanger	—							
	39	“ “ “ “ “ Caps	—							
	40	“ “ “ Hand Lever	—							
	41	“ “ “ “ “ Fulcrum	—							
	42	“ “ “ “ “ Rod	—							
	43	“ “ “ Horiz. Lever	—							
	44	“ “ “ “ “ Fulcrum	—							
	45	“ “ “ “ “ Guide	—							
	46	“ “ “ Rod Jaws	—							
	47	“ “ “ “ “	—							
	48	“ “ “ Shaft	—							
	49	“ “ “ “ Lever	—							
	50	“ “ “ “ “	—							
	51	“ “ “ Valve Lever	—							
	52	“ “ “ “ Rod	—							
	53	“ “ “ “ “	—							
	54	“ “ “ “ “ Conn.	—							
	55	“ “ “ Rod Bell Crank	—							
	56	“ “ “ “ “ “ Fulcrum	—							
M	57	“ “ “ Brace	2	—	—	122F87	—	—	—	—
	58									
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes		Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 74—SHAFTS								
m	1	COUPLING RING —Front	2	743A5010		Z	Z	74-16	—	Z
m	2	" " Half "	4	743B5010				74-17	—	
m	3	" " Bushing "	8	742A5035				—	74-19	
m	4	" " Oil Cellar "	8	742A5034			74-18	—	—	
	5	" " —No. 2	7							
	6	" " Half "								
	7	" " Bushing "								
	8	" " Oil Cellar "								
	9	" " —No. 3								
	10	" " Half "								
	11	" " Bushing "								
	12	" " Oil Cellar "								
m	13	" " —Rear	2	743A5010		Z	Z	74-16	—	Z
m	14	" " Half "	4	743B5010				74-17	—	
m	15	" " Bushing "	8	742A5035				—	74-19	
m	16	" " Oil Cellar "	8	742A5034			74-18	—	—	
	17									
m	18	CRANK SHAFT	1	745A5006		157F19	—	—	—	—
	19	Counterbalance	7							
	20	" Weight								
	21	" "								
	22	" "								
	23	" Yoke								
	24	" "								
m	25	Horn Coupling	2	742A5267		—	—	74-27	—	—
	26	" "								
m	27	" " Key	2	9060 LINE 2		90F2	—	—	—	—
	28									
	29									
m	30	LINE SHAFT—Front Truck	1	9120 LINE 1		FIN. SIZES 82 5/8 x 4 1/4 DIA.	—	—	—	—
	31	" " —2nd "	—							
	32	" " —3rd "	—							
m	33	" " —Rear "	1	9120 LINE 1		FIN. SIZES 86 5/16 x 4 1/4 DIA.				
m	34	" " Bearings, Outside—Front	2	742A5095		—	Z	Z	74-186	Z
m	35	" " " Inside "	2	"		—			74-187	
	36	" " " Outside—2nd								
	37	" " " Inside "								
	38	" " " Outside—3rd								
	39	" " " Inside "								
m	40	" " " Outside—R'r	2	742A5095		—	—	—	74-186	—
m	41	" " " Inside "	2	"		—	—	—	74-187	—
	42	" " " Plate—Front								
	43	" " " " —2nd								
	44	" " " " —3rd								
	45	" " " " —Rear								
m	46	" " Collar	4	742A5203		Z	Z	74-351	Z	Z
m	47	" " "	3	742E5012				74-350		
m	48	" " "	1	742A5011				74-349		
	49	" " "								
	50	" " "								
	51	" " "								
	52	" " "								
	53	" " "								
m	54	" " "								
m	55	" " Coupling	0 2	9025 ~~LINE~~ 6	742A5273	—	—	74-489	—	—
	56	" " "								
	57	" " "								
	58	" " "								
	59	" " "								
	60	" " "								
	61	" " "								

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes		Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 74—SHAFTS (Cont.)								
	1	LINE SHAFT Coupling Key	Z							
	2	" " " "	Z							
	3	" " " "	Z							
m	4	" " Collar "	1	743A5022		FIN. SIZES 3/4 x 2 x 6"	—	—	—	—
m	5	" " Pinion	4	742C5102		—	—	74-63-B	—	—
	6	" " " "	Z							
	7	" " " "	Z							
	8	" " " "	Z							
m	9	" " Washer	4 PR	742F5149		—	74-153	—	—	—
	10	" " " "	Z							
	11	" " " "	Z							
	12	" " " "	Z							
m	13	GEAR RIM	4	743A5037		Z	Z	74-62	Z	Z
m	14	" " Bolt	32	742C5254		Z	Z	Z	Z	Z
m	15	" " Key	16	8824 SET 1		Z	Z	Z	Z	Z
m	16	SQUARE SHAFT—Front	1	742F5250		742F5250	—	—	—	—
m	17	" " —Back	1	742L5250		742L5250	—	—	—	—
	18	" " —Center	—							
	19	" " " "	—							
m	20	" " Sleeve	2	742 ^B 5110		—	—	74- ²⁰² 5110	—	—
	21	" " " "	Z							
	22	" " " "	Z							
	23	" " " "	Z							
	24	" " " "	Z							
	25	" " " "	Z							
	26	GROUP 75—SMOKE BOX AND STACK								
m	27	SMOKE BOX ARRANGEMENT	1	A-12997 LINE 1		—	Z	Z	Z	Z
m	28	" " Deflecting Plate	1 SET	"	PLATE	—	Z	Z	Z	Z
m	29	Deflecting Plate ^{NETTING} Angle	1 "	"		A-12997 LINE 1	Z	Z	Z	Z
m	30	Draft Pipe	1 "	"	PLATE	—	Z	Z	Z	Z
m	31	" " Hanger	2	"		129F9	Z	Z	Z	Z
m	32	" " " "	2	"		129F10	Z	Z	Z	Z
	33	" " " "	—							
m	34	" " " Key Bolt	20	A-12997 LINE 1		75A5030	Z	Z	Z	Z
m	35	Netting Frame	2	"		129F4	Z	Z	Z	Z
m	36	" Ring	1	"		129F8	Z	Z	Z	Z
	37	Cinder Pocket	—							
m	38	" Pot Base	1	753B5027		Z	75-4	Z	Z	Z
m	39	" " Lid	1	752A5042		Z	75-8	Z	Z	Z
m	40	" " Hand Wheel	1	752A5043		Z	75-9	Z	Z	Z
m	41	" " Yoke	1	752A5041		129-F-55	—	Z	Z	Z
	42	Cleaning Hole	—							
m	43	" " Flange	1	752A5056		—	75-17	—	—	—
m	44	" " Cover	1	752A5057		—	75-18	—	—	—
	45	Peep " Flange	—							
	46	" " Cover	—							
m	47	SMOKE BOX Brace—Right	1	TO SWIT ERECT SHOP		130F21	Z	—	Z	Z
m	48	" " " —Left	1	" " " "		130F21	Z	—	Z	Z
m	49	" " " Pad	2	752B5047		Z	Z	75-10	Z	Z
m	50	" " " Pin	2	13002 STYLE 2		Z	Z	Z	Z	Z
m	51	" " " Washer	2	13003 " 2		Z	Z	Z	Z	Z
m	52	SMOKE BOX FRONT	1	A-12970 LINE 3	PLATE	Z	Z	Z	Z	Z
m	53	" " " Door	1	"		Z	Z	Z	Z	Z
	54	" " " Liner	—							
	55	" " Door Liner	—							
m	56	" " " Buttons	15	A-12952		—	Z	Z	Z	75-455
m	57	" " " Hinge	1	"		75A5000	Z	Z	Z	—
m	58	" " " " "	1	"		75A5003	Z	Z	Z	—
m	59	" " " " Lug	1	"		—	Z	Z	Z	75-25
m	60	" " " " " "	1	"		—	Z	Z	Z	75-26
	61	" " " " " "	—							

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes		Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 75—SMOKE BOX & STACK (Cont.)								
M	1	SMOKE STACK (Type <i>TAPER</i>)	1	752B5024		—	75-29	—	—	—
	2	Smoke Stack Base	7							
	3	" " Extension								
	4	" " Top								
	5	" " Cone								
	6	" " " Bracket								
	7	" " " Brace								
	8	" " " "								
	9	" " Cleaning Hole								
	10	" " " " Cap								
	11	" " Hood								
	12	" " Ring								
	13	" " "								
	14	" " " Angle								
M	15	" " Saddle	1	752B5033		—	75-34	—	—	—
	16									
	17									
	18	GROUP 76—SPRINGS								
M	19	Truck Bolster Springs	40	762A5007	241988 PURCHASED 7-21-26	F	—	—	—	—
M	20	" Pedestal "	4	762A5008	"		—	—	—	—
	21	Drawgear Springs	—							
	22									
	23									
	24									
	25									
	26	GRP 78—STE. GAUGE SAF. VAL. & TUR.								
M	27	Steam Gauge	1	5 1/2" ASHCROFT BRASS RING						
	28									
M	29	Safety Valve	2	2" CONSOLIDATED TYPE "H"						
	30	" "	7							
	31	" " Elbow								
	32	" " Turret								
	33	" " " Bushing								
	34	" " " Ring								
	35	" " " Casing								
	36	" " " Flow-Bowl								
M	37	TURRET	1	783N5006		—	—	—	78-1	—
M	38	" Ball Joint	1	A-11424 SET 1		Z	Z	Z	78-5	Z
M	39	" Stuffing Box	1	782A5005					78-2	
M	40	" " " Nut	1	"	STICK BRASS					
	41	" " " Follower	—							
M	42	" Master Valve	1	782A5005		Z	Z	Z	78-3	Z
M	43	" " " Nut	1	"	STICK BRASS					
M	44	" " " Stem	1	"						
M	45	" " " Hand Wheel	1	"			27-14			
M	46	" Bonnet Ring	1	"					78-4	
	47	Turret (Auxiliary)	—							
	48	GROUP 79—STEAM PIPES & TEE HEADS								
M	49	STEAM PIPES	1	793A5007		—	79-666	—	—	—
	50	" " Slip Joint	7							
	51	" " " " Gland								
	52	" " Elbow								
	53	" " " Support								
	54	" " Tee Head								
M	55	" " Joint Ring—Top	1	792H5042		—	79-21	—	—	—
M	56	" " " " —Bottom	1	792J5042		—	79-21	—	—	—
	57	" " " "	7							
	58	" " " " Gland								
	59	" " Casing								
	60	" " Flange								
	61	" " Nipple								

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes		Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 81—SUPERHEATER								
	1	Superheater Arrangement	7							
	2	" Header								
	3	" " Support								
	4	" " "								
	5	" Return Bends								
	6	" " "								
	7	" Tube End								
	8	" " Joint								
	9	" " Clamp								
	10	" " " Washer								
	11	" " " Bolt								
	12	" " " " Washer								
	13	" " Support								
	14	" " Bands	7							
	15	" Unit								
	16	" Damper								
	17	" " Cyl.								
	18	" " " Arm								
	19	" " " Support								
	20	" " Arm								
	21	" " Rod								
	22	" " Shaft								
	23	" " "								
	24	" " " Bearing								
	25	" " " "								
	26	" " " "								
	27	" " " "								
	28	" " " Link								
	29	" " Counterweight								
	30	" " " Arm								
	31	" " Hinge								
	32	" " Flag								
	33	" Deflector Handle								
	34	" " Clamp								
	35	" " Plate Stud								
	36	GROUP 82—TANK VALVES								
m	37	TANK Valve—Water	2	823A5006		Z			82-22	Z
m	38	" " Body	2	"			82-23			
m	39	" " " Plate	2	"			82-19			
m	40	" " Bottom Plate	2	"			82-20			
m	41	" " Top "	2	"			82-18			
m	42	" " Cap	2	"			82-16			
m	43	" " Seat	2	"					82-21	
m	44	" " Stem	2	A-15147 STYLE 1	151 F 2					
m	45	" " " Nut	2	823A5006			82-17			
m	46	" " " Handle	2	"			82-14			
m	47	" " " Clamp Nut	2	"			82-15			
m	48	" " Strainer	2	"						
	49	Siphon Arrangement								
m	50	Siphon	1	822A5001		Z	82-29			Z
m	51	" Tube	1	"			82-30			
m	52	" Pipe Flange	1	11305 LINE 3			82-42			
	53	" Goose Neck	7							
	54	" Stand Pipe								
	55	" " " Flange								
	56	" " " "								
	57	" Hose Strainer								
m	58	" " " Body	1	15142 LINE 1		Z	82-24			Z
m	59	" " " Cap	1	"			82-25			
m	60	" " Nipple	2	11329 LINE 4 4" PIPE						
m	61	" " Bracket	5							

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes		Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 82—TANK VALVES (Cont.)								
	1	Tank Valve—Oil	7							
	2	" " Seat								
	3	" " Cap Plate								
	4	" " Plate								
	5	" " Rod								
	6	" " Screen								
	7	" " Nut								
	8	" " Flange								
	9	" " Lever								
	10	" " Stem								
	11	" " " End	7							
	12	" " " Stuffing Box								
	13	" " " " " Nut								
	14	" " " " " Gland								
	15	" " " " " Follower								
	16	" Cock								
	17	" Cooler Cock								
	18	Tank Measuring Rod								
	19	" " " Flange								
	20	" " " Handle								
	21	" " " Guard								
	22	" " " " "								
	23									
	24	GROUP 83—TANK—ENGINE								
	25	Fuel Bunk	7							
	26	" " Rack								
	27	" " Tie Rod								
	28	" " Straps								
	29	" " Lugs								
	30	" " Gate								
	31									
	32									
	33	GROUP 85—TENDER FRAME								
	34	Tender Frame	7							
	35	" " Angle								
	36	" " "								
	37	" " "								
	38	" " "								
	39	" " Bolster—Top								
	40	" " " —Bot.								
	41	" " Brace								
	42	" " "								
	43	" " "								
	44	Frame Centre Plate	7							
	45	" End Casting								
	46	" " Timber Brace								
	47	" Side Bearings								
	48	GROUP 87—TENDER DECK, TOOL BOX								
	49	Tool Box								
	50									
	51	GROUP 88—TENDER TANK								
MV	52	Tank—Water	1	883A5040						
M	53	" Material Bill	1 SET	88M.D.5040						
M	54	" Funnel	1	882C5002	PLATE					
M	55	" " Lid	1	882A5003						
M	56	" " Hinge RING	1	"						
M	57	" " Handle	1	"						
M	58	" " Hinge Lug RING	1	882C5002						
M	59	" " " Pin "	1	"						
M	60	" LUG Angle	1	A-15139 STYLE 2						
M	61	" Lug	3	" " 5						

88A5003

151F135

88A5002

151F111

4705138

4705137

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes		Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 88—TENDER TANK (Cont.)								
m	1	Tank—Headlight Bracket	1 Pk.	883A5040	(2)	100F10	Z	Z	Z	Z
m	2	" —Ladder	1 Pk.	A-15103		151F20	Z	Z	Z	Z
p	3	" "				151F20				
m	4	" —Coal Gate	1	TO SUITE RECT. SHOP	WOOD.					
m	5	" — ~~End Rack~~ COAL GATE ANGLE	2	883A5040		151F138	—	—	—	—
m	6	" —Shoveling Sheet	2	3/16 x 2 3/4 x 128	PLATE		—	—	—	—
	7	" " "								
	8	Tank—Oil								
	9	" Material Bill								
	10	" Funnel								
	11	" " Cover								
	12	" " " Eye Bolts								
	13	" " " Tail Nuts								
	14	" " " Handle								
	15	" " Lug								
	16	" " "								
	17	" " Ring								
	18	" " Angle								
	19	" Lug								
	20	" "								
	21	GROUP 91—THROTTLE & DRY PIPE								
m	22	Throttle Arrangement	1	914A5008		Z	91-7	Z	Z	Z
m	23	Throttle Valve	1	B-12124 SET 4	912A5079		91-468	Z	Z	Z
m	24	" Case	1	913A5022						
m	25	" Valve Stem	1	912C5052		912C5052				
	26	" " " Stop	—							
m	27	" Pipe Elbow	1	913A5022		Z	91-469	—	—	—
m	28	" Pipe Flange	1	912A5068			91-471	Z	Z	Z
m	29	" " Joint Ring	1	913A5022			79-661	Z	Z	Z
m	30	" Bell Crank	1	B-12161		B-12161		Z	Z	Z
m	31	" " " Fulcrum	1	12161 SET 2		121F92		Z	Z	Z
	32	" Pipe Support	—							
m	33	" " Yoke	1	914A5008		91A5026	Z	Z	Z	Z
m	34	" " Bracket	1	"		91A5027	Z	Z	Z	Z
m	35	" " " LEFT RIGHT LINEED	2	"	TO SUITE RECT. SHOP.	—		Z	Z	Z
m	36	" Stuffing Box	1	912A5050		—	91-14	Z	Z	Z
m	37	" " " Gland	1	"		—	91-15			
	38	" " " Flange								
	39	" Baffle Plate								
	40	" " "								
	41	" " " Handle								
	42	" " " Angle								
	43	" " " Studs								
	44	" " " Nuts								
	45	" " " Keys								
m	46	THROTTLE LEVER	1	913A5018		121F70	—	—	—	—
m	47	Throttle Lever Handle	1	D-1315 LINE 3		1 1/2 x 2 1/2 x 5 1/4	Z	Z	68-3	Z
m	48	" " Latch	1	913A5018		121F168	Z	Z		Z
m	49	" " " Rod	1	"		121F136	—	—	—	—
m	50	" " Links	2	"		—	91-21	—	—	—
m	51	" " Quadrant	1	"		—				
m	52	" " Fulcrum	1	B-12103 LINE 2		91B5030	—	—	—	—
	53	" " Guide	—			91A5031	—	—	—	—
m	54	" " Rod	1	913A5018		121F75	—	—	—	—
m	55	" " Support	1	—		—	—	—	—	—
	56	DRY PIPE								
	57	" " Ring								
	58	" " Support								
	59	" " "								
	60	" " Yoke								
	61	" " Elbow								

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS		CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron	
		GROUP 92—TOOLS									
	1	Brake Shoes	[		Wood Handle						
	2	Chisel—Cape									
	3	“ —Flat									
	4	Hammer—Soft									
	5	Jack Screw									
	6	“ “ Cap									
	7	“ “ Base									
	8	“ “ Collar									
	9	“ “									
	10	“ “ Cap									
	11	“ “ Base									
	12	“ “ Collar									
	13	Journal Brass Rod									
	14	Packing Hook	]								
	15	“ Spade									
	16	Pinch Bar									
	17	Jack Bar									
	18	Torch									
	19	“ Cap									
	20	“ Nozzle									
	21	Valve Tram									
✓	22	Wrench List		1 SET	92 MO 5009						
	23	Ash Hoe									
	24	“ “ Handle									
	25	Clinker Hook									
	26	Poker									
✓	27	Wrecking Frogs	1 PR	LIMA No. 4							
	28	Grease									
✓	29	OH TOOL EQUIPMENT	1 SET	923 A 5004							
	30	GROUP 93—TRUCKS & DETAILS									
✓	31	TRUCK Plan	2	937 A 5009							
✓	32	“ Bolster	2	A-9529 LINE 5							
✓	33	“ “ End Casting—R.	2	932 A 5300							
✓	34	“ “ “ “ —L.	2	“				93-163			
	35	“ “ “ Separator						93-163			
✓	36	“ “ Spring Centers	80	A-9548			93-53				
	37	“ “									
	38	“ “									
	39	“ “ Brake Rod Roller									
	40	“ “ “ “ “ Brkt.									
	41	“ “ “ Lever Guide									
	42	“ “ “ “ “									
✓	43	“ Center Plate	2	932 A 5415				93-133			
✓	44	“ Side Bearing Base	4	932 A 5250							
✓	45	“ “ “ Block	2	932 J 5404				93-163			
✓	46	“ Frame “ “	2	932 J 5404				93-163			
	47	“ “									
	48	“ “ Splice									
	49	“ “									
✓	50	“ Right Arch Bar	2	9751 LINE 2	932 A 5451	97-F-37					
✓	51	“ Left Arch Bar	2	“		97-F-37					
✓	52	“ Right Inverted Arch Bar	2	“		97-F-38					
✓	53	“ Left Inverted Arch Bar	2	“		97-F-38					
✓	54	“ Bottom Tie Bar RIGHT	2	932 A 5366		932 A 5366					
✓	55	“ “ “ “ “	2	932 B 5366		932 B 5366					
✓	56	“ “ “ “ “ LEFT	2	932 A 5365		932 A 5365					
✓	57	“ “ “ “ “	2	932 B 5365		932 B 5365					
	58	“ “ “ Fill. Block									
✓	59	“ Column—Right	2	932 H 5081							
✓	60	“ “ —Left	2	932 J 5298				93-170			
	61							93-172			

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CLASSIFICATION OF DRAWINGS GEARED LOCOMOTIVE

Group No.	TITLE	Group No.	TITLE
10	Ash Pan and Oil Pan	57	Lagging and Jacket Lamps—See 54
11	Axles	58	Link Motion Mud Drum—See 14 Number Plates—See 54
12	Bell and Ringer Blow-off Cock—See 26 Blower Pipe Elbow—See 63	59	Oil and Grease Cups, Lubricator and Bracket, Oil Can Holder, Flange Lubricator
13	Boilers	60	Oil Burning Attachments—Engine Oil Burning Attachments, Tender—See 82
14	Boiler Details and Attachments—Tubes and Flues. Boiler Checks—See 55	61	Painting, Lettering and Numbering—Photo
15	Bolts and Nuts, Studs, Pins and Bushings Boxes, Shay Engines—See 93	62	Pilot and Snow Plows
18	Brackets, Air and Steam Gauge Brackets, Shay Cylinder, Steam and Cylinder Bottom Brackets	63	Pipe Fittings and Clamps, Air, Steam, Water and Lubricator Pipe Fittings
20	Brake Equipment, Foundation, All Brake Equipment, Engine and Tender Brick Arch—See 45	64	Piping Arrangements, Engine and Tender, Air Brake, Cooling, Oil Heater, Sprinkler and Steam Heat Piping
21	Bumpers and Details By-pass Valve—See 34	65	Piston and Rod, Extensions, Rod Packing
22	Cabs	66	Plugs, Hand Holes and Washout Push Pole Pocket—See 21
23	Cab Details, Apron, Brackets, Door Fixtures, Ventilator, etc. Cab Handle—See 53 Cab Lamp—See 54 Cab Tool Box—See 23 Cab Turret—See 78 Chafing Plate—See 48 Cinder Valve and Pipe—See 75 Clearances—See 98 Coal Pusher—See 88	68	Reverse Lever, Screw and Pneumatic Gears
26	Cocks and Valves, Cylinder and Blow-off Cocks, Globe Valves	69	Reverse Shaft and Reach Rod
27	Cocks and Valves, Gauge, Water and Special	70	Rocker and Box
28	Cock Rigging Connecting Rods—See 72 Coupler, Engine—See 37 Coupler, Tender—See 37	71	Running Boards & Brackets, Side and Deck Sheets
29	Crank Pins and Details	72	Rods—Connecting and Stubs Safety Valves—See 78
30	Crossheads, Arm, Pin, Key and Shoes Crossties—See 48	73	Sand Box, Sanders and Rigging Side Sheet, Cab—See 71 Signal Attachments—See 54
31	Cylinders and Barrel Bushings	74	Shafts—Crank, Line, Square, Crank, Counterbalance, Couplings, Brasses, Pinions, Gears, etc.
32	Cylinder and Steam Chest Heads and Covers, Steam Chests and Bushings	75	Smoke Box Arrangement, Front and Door, Smoke Stack and Extensions, Smoke Box Braces Smoke Consumer—See 45 Speed Recorder—See 99
34	Cylinder By-pass, Relief, Vacuum and Drifting Valves	76	Springs Sprinkler—See 64 Steam Chests—See 32
35	Die Work—Flanging Dies	78	Steam Gauge, Safety Valve and Turrets Steam Heat—See 64
36	Dome—Cap, Casing and Ring	79	Steam Pipes and Tee Heads Steps—See 53
37	Draw-Gear, Engine, Coupler, Uncoupling Rigging Front Buffers, Drawbars, Safety Chains and Bars All Drawgears F and B Drawgear, Tender—See 37 Draft Pipe—See 75 Dry Pipe—See 91	80	Stoker and Details, Engine and Tender
39	Eccentrics, Cranks, Straps and Rods Engine Truck—See 93	81	Superheater, Header and Details Superheater Flues—See 14
42	Erecting Cards—Elevations	82	Tank Valves—Oil and Water, Handle, Well, Goose Neck, Strainer, Hose
43	Erecting Cards—Cross Sections	85	Tender Frames
44	Exhaust Pipe and Nozzles Expansion Pad, Knee and Plate—See 48 Feed Water Attachments—See 55	87	Tender Deck, Tool Box
45	Fire Door, Fire Brick and Tubes, Smoke Consumer Fire Box Ring—See 14 Fire Extinguisher—See 64	88	Tender Tank—Water and Oil, Filling Hole, Tank Funnel, Coal Gate, Coal Pusher Tender Truck—Shay Engines—See 93
48	Frames and Details	91	Throttle and Dry Pipe—Lever, Supports, Sleeves Tires—See 95 Tool Boxes, Engine—See 23 Tool Boxes, Tender—See 87
49	Gauges, Templates and Jigs	92	Tools
50	Guides, Yoke and End	93	Trucks and Details, Shay Engine, including Boxes and Bearings Tube Setting—See 14 Turret, Safety Valve—See 78 Turret, Air—See 20
51	Grate Arrangement	94	Valves, Distribution—Stems, Rods, Valve Rod Crosshead and Packing Valve Rod Crosshead Guide—See 94 Waist Sheets—See 48
52	Grate Details Hand Holes—See 66	95	Wheels and Tires—Driving Engine, Truck, Trail- ing, Tender Wheels
53	Hand Rail and Steps, Engine and Tender	96	Whistle and Rigging
54	Headlights and Signal Attachments, Lamps, Electric Wiring, Builders License and Number Plates	97	Preliminary Designs and Propositions
55	Injectors, Boiler Checks and Strainers Keys—See 15	98	Clearance and Wheel Base Diagrams
		99	Miscellaneous

